DIODE MODULE

DD200HB







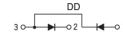
UL;E76102 (M)

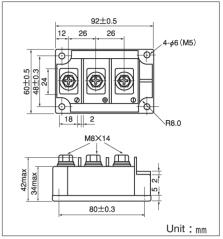
Power Diode Module **DD200HB** series are designed for various rectifier circuits. **DD200HB** has two diode chips connected in series and the mounting base is electrically isolated from elements for simple heatsink construction. Wide voltage rating up to 1,600V is available for various input voltage.

- Isolated mountings base
- Two elements in a package for simple (single and three phase) bridge connections
- Highly reliable glass passivated chips
- High Surge current Capability

(Applications)

Various rectifiers, Bettery charagers, DC motor drives





■Maximum Ratings (Tj=25°C)

Symbol	Itam	Ratings		
	Item	DD200HB120	DD200HB160	Unit
VRRM	Repetitive Peak Reverse Voltage	1200	1600	V
VRSM	Non-Repetitive Peak Reverse Voltage	1350	1700	V

Symbol	li	tem	Conditions	Ratings	Unit
IF (AV)	Average Forward Current		Single Phase, half wave, 180 °C conduction, Tc : 96 °C	200	Α
IF (RMS)	R.M.S. Forward Current		Single Phase, half wave, 180 °C conduction, Tc: 96 °C	310	Α
IFSM	Surge Forward Current		½ cycle, 50/60Hz, peak value, non-repetitive	5000/5500	Α
l²t	2 [†]		Value for one cycle of surge current	125000	A ² S
Tj	Operating Junction Temperature			− 40∼ + 150	°C
Tstg	Storage Temperature			− 40∼ + 125	°C
Viso	Isolation Breakdown Voltage (R.M.S.)		A.C. 1 minute	2500	V
	Mounting	Mounting (M5)	Recommended Value 1.5~2.5 (15~25)	2.7 (28)	N∙m
	Torque	Terminal (M8)	Recommended Value 8.8~10 (15~25)	11 (115)	(kgf·cm)
	Mass		Typical Value	510	g

■Electrical Characteristics

Symbol	Item	Conditions		Unit
IRRM	Repetitive Peak Reverse Current, max.	at VRRM. Single phase, half wave, Tj=150℃	50	mA
VFM	Forward Voltage Drop, max.	Forward current 600A, T _j =25 °C, Inst. measurement	1.40	V
Rth (j-c)	Thermal Impedance, max.	Junctoin to case (Per a half module)	0.18	°C/W









